



**Fourier Transform Infrared Spectrometer (FT-IR):** Fourier Transform Infrared Spectrometer (FT-IR), Tensor 27, BRUKER, is an analytical instrument (with MIR source, ZnSe beam splitter and DLaTGS detector) dedicated to identify materials including polymers, based on the relative amount of energy of key functionalities present in the sample. It enables us to analyze the sample in the frequency ranges between 4000-400  $\text{cm}^{-1}$ . This instrument is made to analyze samples in solid form as well as in liquid/gel form. Samples can be analyzed by transmission and ATR methods